

#	PACKAGE TYPE	FIELD ISSUE?	PHOSPHATE EXTRACT ($\mu\text{g}/\text{mm}^2$)		CHLORIDE EXTRACT ($\mu\text{g}/\text{mm}^2$)	
			OXYGEN GAS	NITROGEN GAS	OXYGEN GAS	NITROGEN GAS
1	QFP#1 WITH RED PHOSPHORUS FLAME RETARDANT	YES	1.506	0.04	0.050	0.003
2	QFP#2 WITH RED PHOSPHORUS FLAME RETARDANT	YES	1.313	0.007	0.070	0.001
3	PBGA WITH RED PHOSPHORUS FLAME RETARDANT	SUSPECT	0.977	<0.002	0.051	0.001
4	SOIC WITH RED PHOSPHORUS FLAME RETARDANT	YES	0.814	0.08	0.030	<0.001
5	QFP#3 WITH RED PHOSPHORUS FLAME RETARDANT	SUSPECT	0.137	<0.002	0.011	0.000
6	QFN WITH ORGANIC P AS CATALYST AND ORGANIC FLAME RETARDANT	NO	0.002	<0.002	0.003	<0.001
7	QFP - Sb/Br FLAME RETARDANT & ORGANIC P AS CATALYST	NO	<0.002	<0.002	<0.001	0.001
8	PBGA WITH ORGANIC P AS CATALYST	NO	<0.002	<0.002	0.001	0.001
9	QFP WITH ORGANIC P AS CATALYST & ORGANIC FLAME RETARDANT	NO	<0.002	<0.002	<0.001	0.001
10	FC PBGA ORGANIC P AS CATALYST	NO	<0.002	<0.002	0.002	<0.001

QFP = QUAD FLATPACK (WIREBOND)

PBGA = PLASTIC BALL GRID ARRAY (WIREBOND)

SOIC = SMALL OUTLINE INTEGRATED CIRCUIT (WIREBOND)

QFN = QUAD FLATPACK NO LEAD (WIREBOND)

FCPBGA = FLIP CHIP PLASTIC BALL GRID ARRAY (FLIP CHIP)

FIG. 1

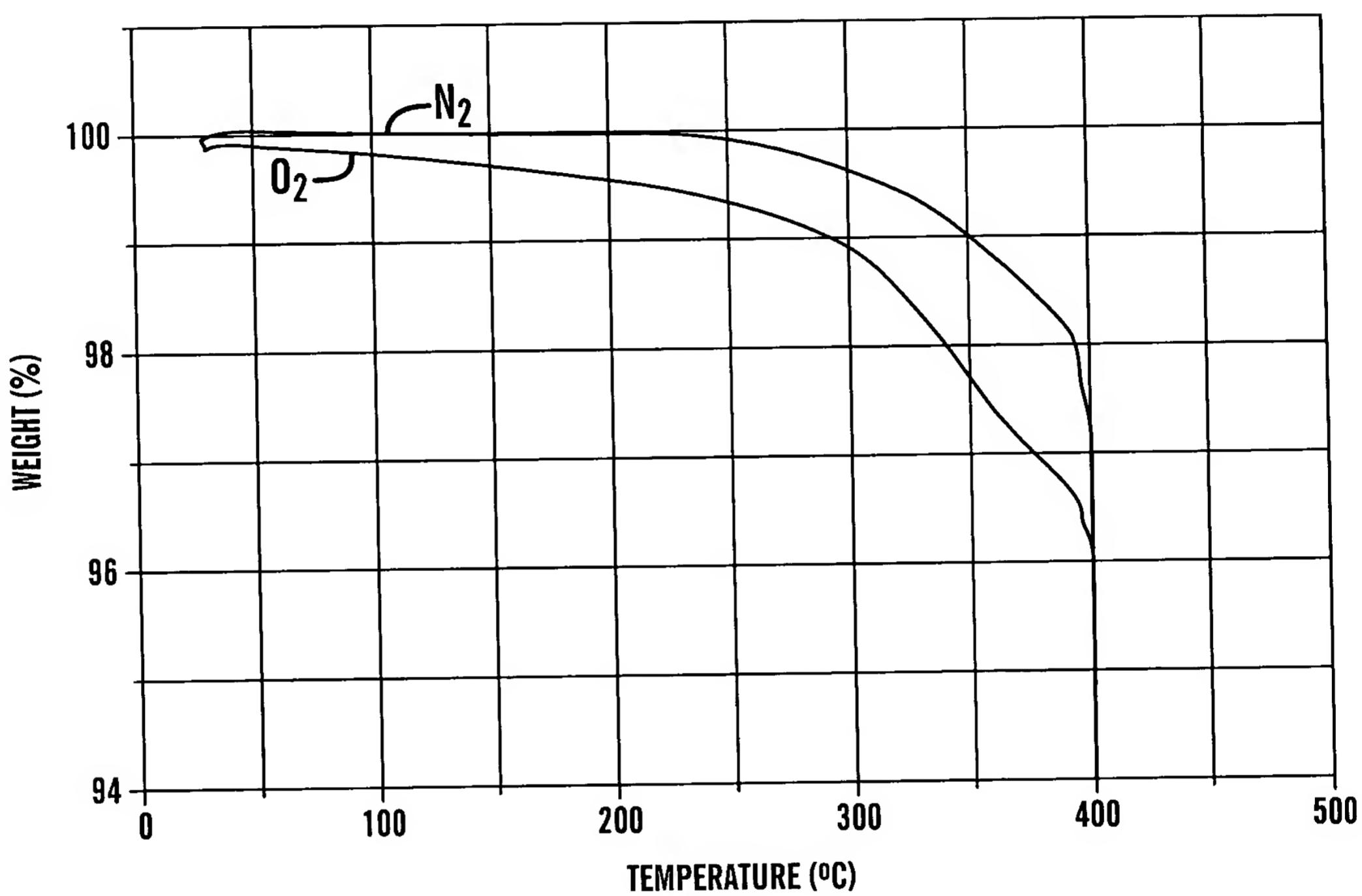


FIG. 2A

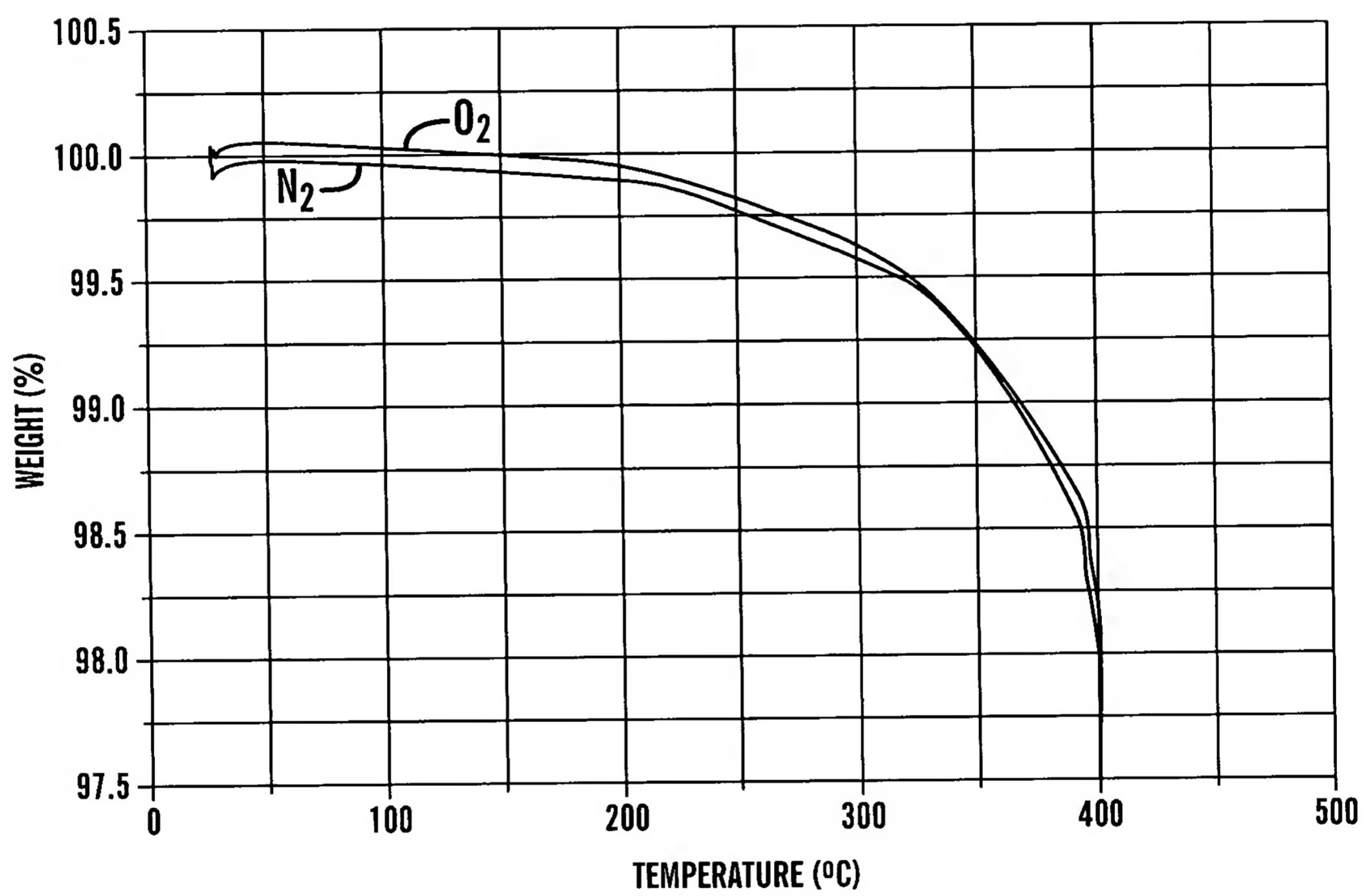


FIG. 2B

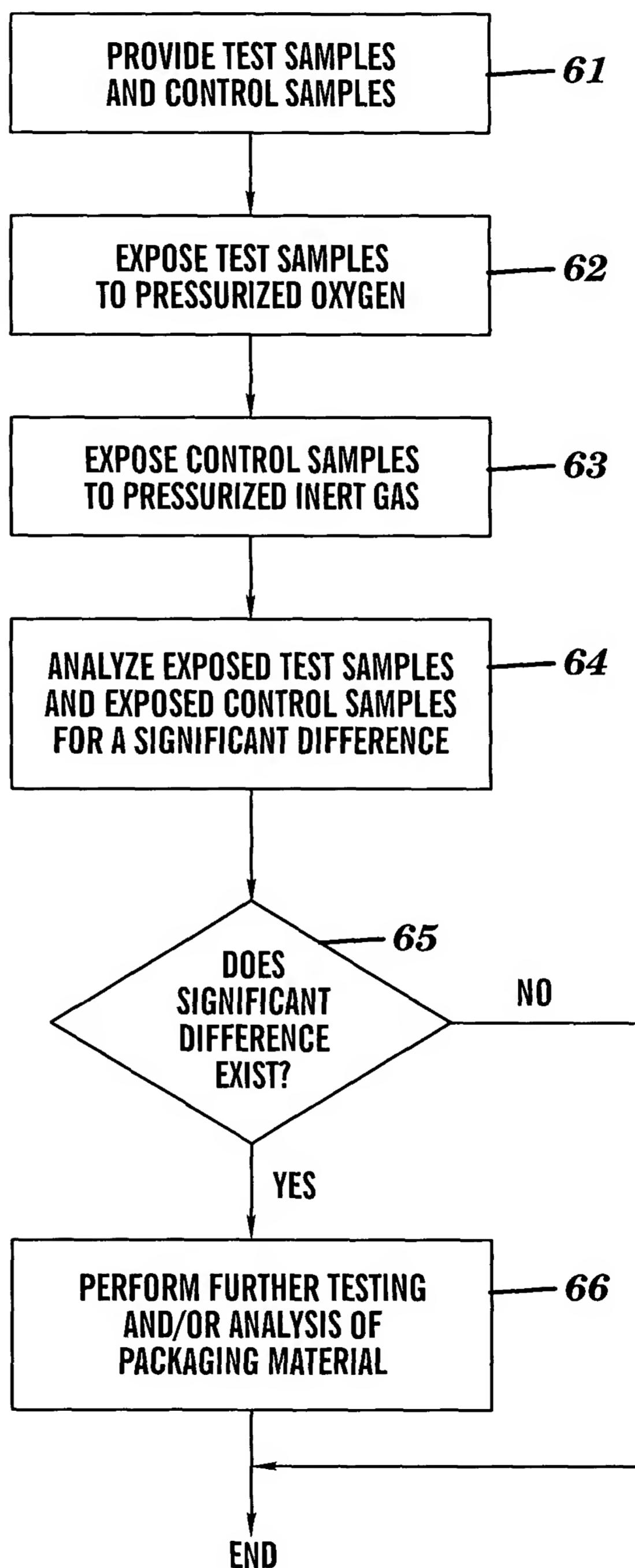


FIG. 3

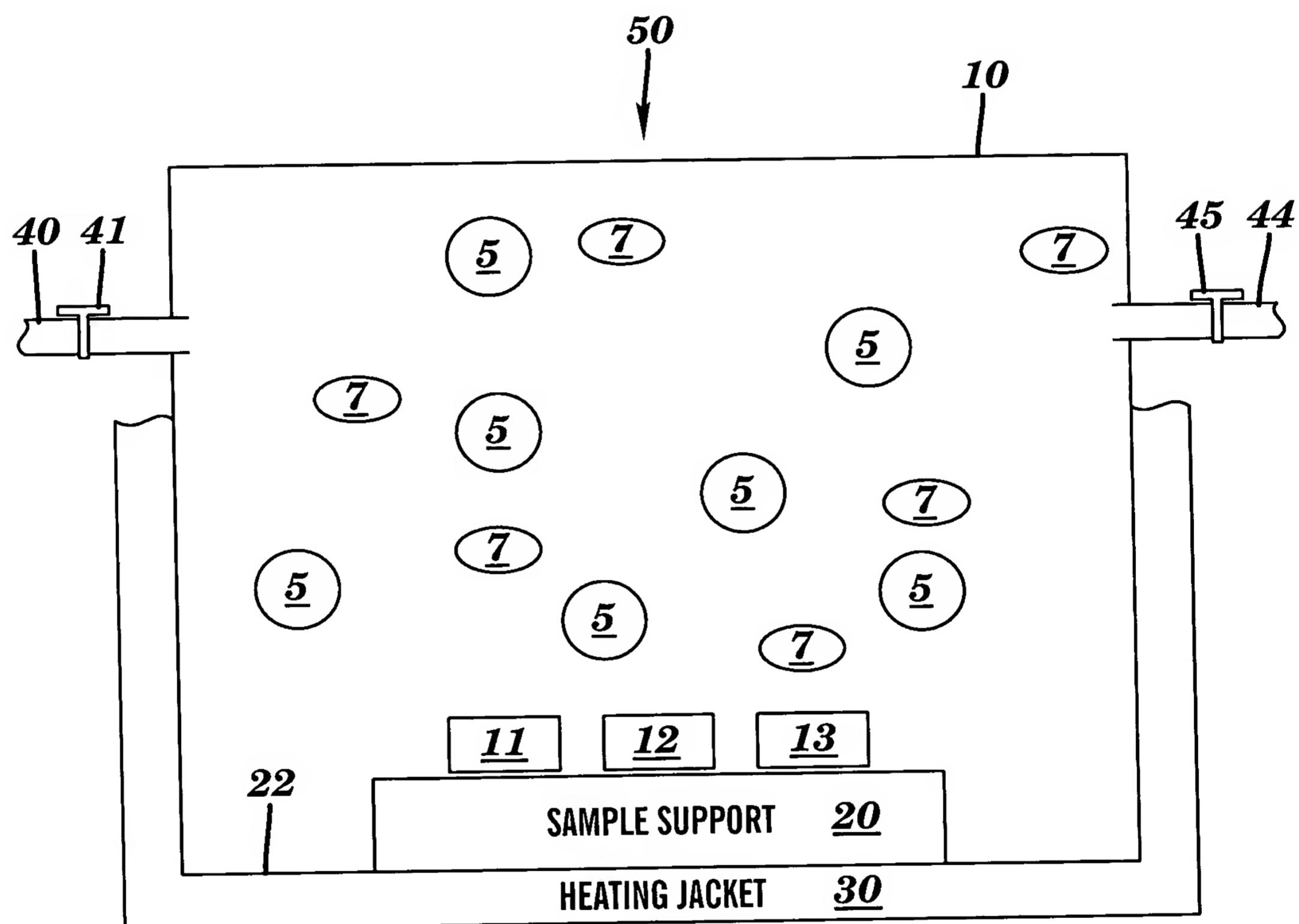


FIG. 4